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N.B. All figures and tables presented in this Appendix (and throughout this Report) exclude data from August 14, 2003 00:00:00 EST to August 22, 2003 23:59:59 EST, unless otherwise noted. This is due to the suspension of the IMO-administered markets caused by the August 14, 2003 system failure in the Northeast.

In some instances, the data reported in this Report has been updated or recalculated and therefore may differ from values previously quoted in our earlier reports**.**

*Table A-1: Monthly Energy Demand (TWh)**

	Ontario Demand		Total Market Demand		Exports	
	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005
May	11.63	11.84	12.35	12.95	0.72	1.11
Jun	11.89	12.05	12.54	13.09	0.66	1.04
Jul	12.90	12.77	13.89	13.82	0.99	1.05
Aug	12.51**	12.75	13.07	13.96	0.56	1.21
Sep	11.79	12.37	12.19	12.81	0.40	0.44
Oct	12.16	12.22	12.31	12.72	0.15	0.5
Nov	12.39	12.6	12.71	13.16	0.32	0.55
Dec	13.33	13.98	13.95	14.84	0.62	0.86
Jan	14.77	14.62	15.57	15.69	0.80	1.07
Feb	13.09	12.73	13.59	13.69	0.50	0.96
Mar	13.22	13.49	13.79	14.38	0.56	0.89
Apr	11.79	11.83	12.64	12.28	0.85	0.45

* constrained schedule

** Data for August 2003 includes blackout period (August 14-August 22, 2003).

Table A-2: Average Monthly Temperature (°Celsius)

	2003	2004	2005
Jan	-7.7	-9.1	-4.2
Feb	-6.9	-3.3	-3.6
Mar	-0.6	2.3	-1.3
Apr	5.5	6.9	8.1
May	12.2	13.3	N/A
Jun	18.5	17.8	N/A
Jul	21.7	20.6	N/A
Aug	21.8	19.6	N/A
Sep	17.1	18.4	N/A
Oct	9.0	10.9	N/A
Nov	4.9	5.4	N/A
Dec	0.0	-2.5	N/A

Table A-3: Number of Days Temperature Exceeded 30°C

	2002	2003	2004	2005
Jan	0	0	0	0
Feb	0	0	0	0
Mar	0	0	0	0
Apr	0	0	0	0
May	0	0	0	N/A
Jun	5	4	3	N/A
Jul	15	1	0	N/A
Aug	7	3	0	N/A
Sep	4	0	0	N/A
Oct	0	0	0	N/A
Nov	0	0	0	N/A
Dec	0	0	0	N/A

Table A-4: Outages (TWh), May 2003-April 2005

	Total Outage		Planned Outage		Forced Outage	
	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005
May	6.95	5.91	2.33	3.57	4.62	2.34
Jun	5.34	4.70	1.74	1.98	3.60	2.72
Jul	3.79	3.78	1.42	1.33	2.37	2.45
Aug	5.01	3.65	1.45	1.37	3.57	2.28
Sep	5.70	5.88	2.73	2.72	2.97	3.16
Oct	7.08	6.32	3.76	3.43	3.33	2.89
Nov	5.51	6.03	2.24	3.13	3.27	2.91
Dec	4.98	3.89	0.73	1.75	4.25	2.14
Jan	3.80	3.58	0.24	1.09	3.56	2.49
Feb	4.07	3.29	0.82	1.61	3.25	1.68
Mar	5.58	4.87	2.63	2.54	2.96	2.32
Apr	5.92	6.73	3.50	3.06	2.42	3.67

There are two sets of data that reflect outages information. Past reports have relied on information from the IESO's outage database. This table reflects the outage information that is actually inputted to the DSO to determine price. Efforts are underway by the MAU to reconcile the difference between the two sets of data.

Table A-5: Average HOEP, On and Off-Peak, May 2003-April 2005

	Average HOEP		Average On-Peak HOEP		Average Off-Peak HOEP	
	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005
May	43.17	48.06	56.53	61.93	32.16	37.60
Jun	41.64	46.69	55.54	60.15	29.47	33.81
Jul	40.08	45.58	53.14	55.55	28.35	37.38
Aug	46.85	43.51	62.99	52.81	36.37	35.84
Sep	48.56	49.57	58.63	59.17	39.74	41.16
Oct	57.09	49.11	68.42	57.48	46.92	42.80
Nov	40.45	52.28	50.29	61.94	32.59	43.82
Dec	44.42	50.82	54.55	59.84	36.08	43.40
Jan	66.22	57.90	84.76	68.99	50.94	49.53
Feb	52.74	49.58	64.46	56.51	42.77	43.29
Mar	48.90	59.87	57.33	67.86	40.65	53.29
Apr	45.92	61.93	55.04	69.57	37.95	55.24

*Table A-6: Average Richview Slack Bus Price, On and Off-Peak May 2003-April 2005**

	Average On-Peak Richview Slack Bus Price		Average Off-Peak Richview Slack Bus Price		Average Richview Slack Bus Price	
	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005
May	107.50	88.85	45.51	48.13	73.53	65.64
Jun	84.45	81.39	41.01	37.95	61.28	59.19
Jul	65.46	62.91	32.09	43.64	47.90	52.34
Aug	77.08	62.74	40.81	38.42	55.78	49.38
Sep	65.74	69.63	45.65	47.31	55.03	57.73
Oct	83.98	63.47	59.82	47.32	71.23	54.26
Nov	69.73	73.56	39.46	51.85	52.91	61.98
Dec	73.38	70.38	50.94	48.42	61.08	58.33
Jan	115.00	89.01	63.03	57.36	86.50	70.98
Feb	80.58	62.57	55.33	46.88	66.95	54.35
Mar	82.56	78.47	53.61	59.47	67.93	68.03
Apr	77.32	101.25	48.26	74.36	61.82	86.90

* The methodology for calculating the average Richview Slack Bus Price has been revised subsequent to previous reports so that instances of shadow prices greater than $2,000 have been reduced to the Maximum Market Clearing Price (MMCP) of $2,000 and instances of shadow prices less than -$2,000 have been increased to the Minimum Market Clearing Price of -$2,000.

Table A-7: Ontario Demand (GWh) by Market Segmentation, May 2003-April 2005

	LDC's		Wholesale Loads		Generation		Metered Energy Consumption		Transmission Losses		Total Energy Consumption	
	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005
May	9,166	9,334	2,081	2,011	144	155	11,390	11,501	238	334	11,627	11,835
Jun	9,583	9,538	1,889	2,024	168	164	11,639	11,727	246	319	11,885	12,046
Jul	10,665	10,229	1,801	1,935	158	177	12,624	12,411	274	359	12,898	12,770
Aug	10,341	10,233	1,752	2,016	170	178	12,263	12,427	251	319	12,514*	12,746
Sep	9,431	9,960	1,944	1,988	168	157	11,543	12,104	251	266	11,794	12,370
Oct	9,686	9,692	2,034	2,102	198	167	11,918	11,961	241	254	12,160	12,215
Nov	10,017	10,176	1,978	2,017	176	188	12,171	12,381	219	220	12,390	12,601
Dec	11,025	11,717	1,906	1,980	184	194	13,114	13,892	213	90	13,327	13,982
Jan	12,289	12,056	2,027	1,984	199	199	14,515	14,239	253	380	14,768	14,619
Feb	10,685	10,494	1,904	1,793	180	153	12,769	12,441	319	292	13,088	12,732
Mar	10,667	11,010	2,047	1,931	171	181	12,885	13,122	340	372	13,225	13,494
Apr	9,524	9,497	1,889	1,840	135	180	11,549	11,517	242	311	11,791	11,828

*Total energy consumption for the month of August 2003 includes blackout period.

Table A-8: Frequency Distribution of HOEP, May 2003-April 2005
(Percentage of Hours within Defined Range)

	HOEP Price Range ($/MWh)																			
	<$10.00		**$10.01-$20.00**		**$20.01-$30.00**		**$30.01-$40.00**		**$40.01-$50.00**		**$50.01-$60.00**		**$60.01-$70.00**		**$70.01-$100.00**		**$100.01-$200.00**		**>$200.01**	
	2003/2004	**2004/2005**	**2003/2004**	**2004/2005**	**2003/2004**	**2004/2005**	**2003/2004**	**2004/2005**	**2003/2004**	**2004/2005**	**2003/2004**	**2004/2005**	**2003/2004**	**2004/2005**	**2003/2004**	**2004/2005**	**2003/2004**	**2004/2005**	**2003/2004**	**2004/2005**
May	0.00	0.54	1.08	8.87	**48.66**	15.59	11.83	15.59	7.53	**19.35**	5.38	15.46	7.39	9.95	16.67	9.68	1.48	4.97	0.00	0.00
Jun	0.00	0.83	5.56	10.83	**52.78**	8.19	8.47	14.31	6.39	**31.53**	5.00	17.36	6.67	4.86	11.81	8.61	2.78	3.47	0.56	0.00
Jul	0.00	0.81	2.69	8.60	**52.28**	10.62	5.91	15.46	4.57	**32.80**	6.05	12.10	15.86	9.81	12.37	9.54	0.27	0.27	0.00	0.00
Aug	0.00	0.00	0.13	10.08	24.43	7.26	**25.94**	20.97	8.20	**33.47**	7.53	14.38	14.11	8.20	17.34	5.51	2.02	0.13	0.00	0.00
Sep	0.00	0.14	1.39	1.94	10.56	5.56	**40.56**	18.75	11.11	**28.61**	8.19	23.33	8.47	13.19	19.31	7.92	0.28	0.56	0.14	0.00
Oct	0.00	0.00	0.00	0.00	11.96	2.28	20.70	**32.80**	7.80	18.82	8.60	29.17	12.90	9.54	**37.10**	6.99	0.81	0.40	0.13	0.00
Nov	0.00	0.00	0.00	0.00	**36.67**	3.33	29.03	**29.44**	9.31	27.50	8.61	14.03	6.81	7.36	9.31	15.56	0.28	2.78	0.00	0.00
Dec	0.00	0.00	1.75	0.00	**36.69**	3.49	26.21	**39.11**	6.72	20.70	4.57	17.88	3.36	4.97	19.35	8.74	1.34	4.97	0.00	0.13
Jan	0.00	0.00	0.13	0.54	11.56	3.09	**21.37**	17.88	9.54	20.30	8.06	**26.75**	11.69	10.35	18.82	14.52	18.41	6.59	0.40	0.00
Feb	0.00	0.00	0.00	0.00	2.73	0.15	**33.05**	25.74	22.70	**33.78**	10.78	27.08	9.20	6.55	19.11	6.10	2.44	0.45	0.00	0.15
Mar	0.00	0.00	0.13	0.00	10.89	0.00	21.64	5.24	**28.49**	28.49	14.92	**29.57**	11.83	16.26	11.83	16.94	0.27	3.36	0.00	0.13
Apr	0.00	0.00	0.28	0.00	15.28	0.00	**26.39**	16.11	25.42	**23.75**	14.44	17.08	10.28	12.92	7.50	21.39	0.28	8.75	0.14	0.00
May-03 Apr-04	0.00	N/A	1.10	N/A	**26.23**	N/A	22.59	N/A	12.32	N/A	8.51	N/A	9.88	N/A	16.71	N/A	2.56	N/A	0.11	N/A
May-04 Apr-05	N/A	0.19	N/A	3.41	N/A	4.96	N/A	20.95	N/A	**26.59**	N/A	20.35	N/A	9.50	N/A	10.96	N/A	3.06	N/A	0.03

**Bolded values show highest percentage within month.

Table A-9: Frequency Distribution of HOEP plus Hourly Uplift, May 2003-April 2005
(Percentage of Hours within Defined Range)

	HOEP plus Hourly Uplift Price Range ($/MWh)																			
	<$10.00		$10.01-$20.00		$20.01-$30.00		$30.01-$40.00		$40.01-$50.00		$50.01-$60.00		$60.01-$70.00		$70.01-$100.00		$100.01-$200.00		>$200.01	
	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005
May	0.13	0.13	0.81	8.47	**39.78**	12.77	18.41	16.40	7.80	15.59	5.65	**17.20**	5.78	11.69	19.49	11.29	2.02	6.45	0.13	0.00
Jun	0.00	0.69	3.75	9.86	**51.25**	8.19	9.86	12.92	6.53	**29.31**	5.42	17.36	5.69	7.64	12.78	9.17	4.03	4.72	0.69	0.14
Jul	0.13	0.67	2.02	7.80	**50.94**	9.81	6.85	13.71	4.97	**30.51**	4.57	12.63	12.37	12.50	17.88	11.29	0.27	0.94	0.00	0.13
Aug	0.00	0.00	0.13	9.54	**23.79**	7.26	20.70	17.47	13.31	**33.06**	6.99	14.92	12.90	11.69	20.16	5.91	1.88	0.13	0.13	0.00
Sep	0.00	0.14	1.25	1.94	9.31	4.03	**35.28**	17.50	15.00	**27.36**	8.75	17.92	7.36	20.42	22.50	10.00	0.42	0.69	0.14	0.00
Oct	0.13	0.13	0.00	0.00	4.97	2.15	26.34	27.02	8.06	20.43	7.39	**28.90**	10.89	12.23	**40.99**	8.20	1.08	0.94	0.13	0.00
Nov	0.14	0.14	0.00	0.00	24.17	2.50	**39.72**	**25.69**	7.50	19.31	9.58	22.92	6.94	8.47	11.67	17.36	0.28	3.61	0.00	0.00
Dec	0.13	0.13	1.34	0.00	23.92	3.09	**36.42**	**33.20**	7.12	20.97	5.65	20.30	3.23	6.72	18.82	9.81	3.36	5.65	0.00	0.13
Jan	0.13	0.13	0.00	0.40	7.26	2.96	**21.51**	14.25	10.89	18.41	8.74	**28.63**	10.08	11.69	20.30	15.32	20.43	8.20	0.67	0.00
Feb	0.00	0.15	0.00	0.00	2.30	0.15	25.14	13.84	**27.44**	**38.99**	12.21	29.61	8.48	9.23	20.55	7.14	3.88	0.74	0.00	0.15
Mar	0.13	0.13	0.00	0.00	10.35	0.00	19.09	2.42	**25.40**	27.02	17.47	**26.48**	12.90	20.70	13.84	18.95	0.81	4.17	0.00	0.13
Apr	0.14	0.00	0.14	0.00	13.06	0.00	22.50	11.06	**26.25**	21.47	15.97	16.19	10.69	13.62	10.69	**24.68**	0.42	12.98	0.14	0.00
May-03 Apr-04	0.09	N/A	0.79	N/A	21.76	N/A	**23.49**	N/A	13.36	N/A	9.03	N/A	8.94	N/A	19.14	N/A	3.24	N/A	0.17	N/A
May-04 Apr-05	N/A	0.20	N/A	3.17	N/A	4.41	N/A	17.12	N/A	**25.20**	N/A	21.09	N/A	12.22	N/A	12.43	N/A	4.10	N/A	0.06

**Bolded values show highest percentage within month.

Table A-10: Total Hourly Uplift Charge, May 2003-April 2005

	Total Hourly Uplift $ Millions		IOG* $ Millions		CMSC ** $ Millions		Operating Reserve $ Millions		Losses $ Millions	
	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005
May	30	36	3	2	8	10	8	8	11	17
Jun	37	29	6	1	14	9	5	4	11	15
Jul	22	30	2	1	8	8	2	4	10	17
Aug	19	26	2	1	5	8	3	1	9	16
Sep	24	20	1	1	7	7	4	1	12	11
Oct	27	14	2	0	9	4	2	1	15	9
Nov	25	38	1	7	7	11	6	4	10	17
Dec	31	33	8	4	4	9	5	3	13	18
Jan	53	37	15	5	14	11	5	3	20	19
Feb	33	24	8	2	6	6	3	2	16	14
Mar	32	35	4	3	7	11	6	3	16	18
Apr	31	46	3	5	6	15	9	8	14	18

* The IOG numbers are not adjusted for IOG offsets which was implemented in July 2002. IOG offsets are reported in Table A-15.

** Numbers are adjusted for Negative Price CMSC Revision and Self-Induced CMSC Revisions for Dispatchable Loads, but not for Local Market Power adjustments. Negative Price CMSC Revision was implemented in July 2003 and totalled $8.1 million in recoveries by the end of August 2004; after that the adjustment was incorporated into the calculation of CMSC. Self-Induced CMSC Revisions for Dispatchable Loads were implemented in March 2004 and totalled $5 million in recoveries by the end of October 2004, with another $12 million between November 2004 and April 2005. Local Market Power Adjustments are reported in Table A-19.

Table A-11: Operating Reserve MCP ($/MWh), May 2003-April 2005

	10N		10S		30R	
	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005
May	7.20	8.66	7.85	10.90	6.64	8.20
Jun	4.92	3.97	5.27	5.93	4.70	3.77
Jul	1.79	3.60	2.67	5.62	1.74	3.47
Aug	2.91	0.88	4.06	3.27	2.84	0.87
Sep	3.10	1.06	5.69	3.54	2.48	1.02
Oct	1.93	0.54	2.82	2.92	0.99	0.54
Nov	6.17	2.72	7.05	5.08	4.18	2.63
Dec	5.10	2.20	6.70	3.58	2.85	2.12
Jan	4.45	3.11	6.70	5.17	3.48	3.04
Feb	2.35	2.20	4.54	4.24	2.25	1.90
Mar	5.12	2.46	6.64	4.67	5.10	2.46
Apr	9.41	8.92	10.93	10.58	8.80	8.71

Table A-12: Exogenous Factors (Average Hourly MW), Off-Peak

	Nuclear		Hydroelectric Supply		Self-Scheduling Supply		Ontario Demand (NDL)		HOEP	
	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005
Nov	6,735	7,572	4,014	3,395	939	913	15,015	15,092	29.4	40.71
Dec	8,294	9,850	3,683	3,243	915	919	15,751	16,547	32.7	41.06
Jan	8,048	9,104	3,585	3,247	921	942	17,684	17,355	47.9	47.79
Feb	8,322	9,529	3,635	3,345	918	965	16,991	16,781	44	43.24
Mar	8,344	8,591	3,413	3,367	980	931	15,752	16,150	38.2	51
Apr	8,295	6,561	4,054	4,473	902	826	14,397	14,160	34.8	47.82

Table A-13: Exogenous Factors (Average Hourly MW), On-Peak

	Nuclear		Hydroelectric Supply		Self-Scheduling Supply		Ontario Demand (NDL)		HOEP	
	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005
Nov	6,755	7,721	5,217	4,756	1,070	1,049	18,201	18,342	48.37	60.54
Dec	8,309	10,017	5,240	4,753	1,078	1,065	18,877	19,641	52.78	57.79
Jan	8,067	9,295	5,090	4,804	1,085	1,083	20,747	20,396	79.33	65.13
Feb	8,341	9,656	4,855	4,850	1,043	1,107	19,743	19,581	60.41	54.12
Mar	8,342	8,717	4,719	4,649	1,106	1,081	18,634	18,594	56.52	66.21
Apr	8,285	6,764	5,019	5,420	1,036	990	17,175	17,048	54	72

Table A-14: IOG Payments, Top 10 Days, November 2004 -April 2005*

Delivery Date	Guaranteed Imports for Day (MWh)	IOG Payments ($ Millions)	Average IOG Payment ($/MWh)	Peak Demand in 5-minute Interval (MW)
11/12/2004	30,578	0.66	21.46	20,864
11/11/2004	28,513	0.64	22.57	21,388
11/03/2004	21,901	0.55	24.98	21,255
01/19/2005	20,292	0.55	26.92	24,805
12/21/2004	16,181	0.53	32.54	24,396
03/21/2005	16,605	0.40	24.22	21,354
01/21/2005	19,565	0.38	19.40	25,104
01/27/2005	14,443	0.37	25.73	25,760
12/14/2004	18,280	0.36	19.77	23,883
12/03/2004	20,384	0.36	17.57	22,522
	Total Top 10 days	4.80		
	Total for period	19.80		
	% of Total Payments	24%		

*Numbers are not netted against IOG offset for the 'implied wheel'.

Table A-15: IOG Offsets due to Implied Wheeling*

	IOG Offset ($'000)		IOG Offset %	
	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005
May	286	81	11.3	5.6
June	430	98	6.6	7.3
Jul	166	135	10.6	11.6
Aug	92	155	6.1	16.6
Sep	33	69	2.3	5.3
Oct	23	409	1.2	26.8
Nov	47	376	3.8	5.5
Dec	289	260	3.6	6.5
Jan	1,368	438	9.0	9.1
Feb	692	61	8.7	3.1
Mar	329	331	7.8	10.0
Apr	67	469	2.7	8.9

Table A-16: CMSC Payments, Energy and Operating Reserve, May 2003-April 2005

	Constrained Off $ Millions		Constrained On $ Millions		Total CMSC for Energy* $ Millions		Operating Reserves $ Millions		Total CMSC Payments** $ Millions	
	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005
May	5.0	6	3.1	1.6	8.3	8.2	1.0	1.4	9.3	9.6
Jun	7.3	5.7	7.0	1.6	14.5	7.7	0.7	1.2	15.2	8.9
Jul	8.2	4.4	1.6	1.7	10.0	6.5	0.7	1	10.7	7.5
Aug	4.3	5.6	0.7	1.3	5.3	7.1	0.4	0.5	5.7	7.7
Sep	4.9	7.2	1.4	2.4	6.6	9.9	0.3	0.5	6.9	10.5
Oct	6.2	5.9	2.1	1.2	8.9	7.6	0.2	0.1	9.1	7.7
Nov	5.5	7.6	0.9	3.1	6.8	11.5	0.4	0.8	7.2	12.3
Dec	3.4	7.7	1.6	2.4	5.9	10.6	0.4	0.6	6.3	11.2
Jan	7.8	9.0	4.0	2.4	14.7	12.0	0.3	0.5	15.0	12.5
Feb	3.1	6.3	1.9	1.3	5.2	7.9	0.3	0.8	5.5	8.7
Mar	3.8	7.0	2.4	2.0	6.5	11.9	0.6	0.4	7.1	12.4
Apr	4.6	9.9	1.3	3.6	6.2	14.5	0.8	1.8	7.0	16.3
May-03-Apr-04	64.0	N/A	28.1	N/A	98.9	N/A	6.1	N/A	105.0	N/A
May-04-Mar-05	N/A	82.3	N/A	24.6	N/A	115.4	N/A	9.6	N/A	125.3

*The sum for energy being constrained on and off does not equal the total CMSC for energy in some months. This is due to the process for assigning the constrained on and off label to individual intervals not yet being complete. Note that these numbers are the net of positive and negative CMSC amounts.
**The totals for CMSC payments do not equal the totals for CMSC payments in Table A-10: Total Hourly Uplift Charge as the values in the uplift table include adjustments to CMSC payments in subsequent months. Neither table includes Local Market Power adjustments, shown in Table A-19.

Table A-17: Share of Constrained On Payments by Import and Domestic Suppliers

	Domestic (%)		Imports (%)	
	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005
May	83	63	17	37
Jun	33	69	67	31
Jul	85	83	15	17
Aug	81	78	19	22
Sep	82	49	18	51
Oct	86	79	14	21
Nov	74	49	26	51
Dec	69	57	31	43
Jan	38	67	62	33
Feb	56	44	44	56
Mar	56	41	44	59
Apr	60	58	40	42

Table A-18: Share of CMSC Payments Received by Top Facilities, May 2004-April 2005

	Share of Total Payments Received by Top 10 Facilities		Share of Total Payments Received by Top 5 Facilities	
	Constrained Off (%)	Constrained On (%)	Constrained Off (%)	Constrained On (%)
May 04	46.6	44.9	34.3	30.5
Jun 04	51.7	29.4	35.7	16.4
Jul 04	40.6	46.9	28.0	32.8
Aug 04	58.9	48.8	41.4	36.6
Sep 04	66.5	64.2	51.3	50.9
Oct 04	66.4	52.4	51.0	32.2
Nov 04	63.0	52.6	51.9	35.5
Dec 04	64.1	45.7	49.3	32.0
Jan 05	62.6	52.6	51.3	39.3
Feb 05	69.8	51.7	53.4	33.2
Mar 05	59.3	42.7	45.0	26.2
Apr 05	60.7	55.6	47.2	38.7
May 2003 – Apr 2004	41.1	36.2	24.5	22.2
May 2004 – Apr 2005	59.2	49.0	45.0	33.7

Table A-19: Local Market Power Investigation Statistics

	May 2002 to April 2003	May 2003 to April 2004	May 2004 to April 2005*	Total
Number of LMP Investigations				
Terminated (no CMSC Adjustment)	50	25	2	77
Completed (CMSC Adjustment)	265	203	54	522
Pending	0	0	3	3
Total Initiated	315	228	59	602
Inquiry Cases Terminated	5	0	0	5
Inquiry Cases Completed	46	0	4	50
CMSC Adjustment ($ million)				
Completed Cases	6.2	3.4	0.7	10.3
Pending – Potential Adjustment	-	-	0.8	0.8

*The data for this period represents approximately 10 months of data, compared to 12 months in the other two periods due to the time lag between the trade date and date on which cases are opened for investigation.

Table A-20: Share of Real-time MCP Set by Resource (%), May 2003-April 2005

	Coal		Nuclear		Oil/Gas		Water	
	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005
May	66	54	0	0	23	11	11	35
Jun	68	63	0	0	13	7	19	30
Jul	66	60	0	0	25	6	9	32
Aug	66	70	0	0	25	6	9	24
Sep	51	70	0	0	26	13	23	17
Oct	40	76	0	0	48	5	13	18
Nov	71	67	0	0	20	14	9	19
Dec	61	74	0	0	18	10	21	16
Jan	39	60	0	0	37	21	24	18
Feb	61	79	0	0	27	8	12	13
Mar	60	61	0	0	18	15	21	24
Apr	63	59	0	0	9	18	28	22

Table A-21: Share of Real-time MCP Set by Resource (%), Off-Peak, May 2003-April 2005

	Coal		Nuclear		Oil/Gas		Water	
	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005
May	85	51	0	0	7	5	8	45
Jun	82	59	0	0	4	1	14	40
Jul	85	53	0	0	8	2	7	44
Aug	83	62	0	0	8	2	9	36
Sep	61	73	0	0	12	3	28	24
Oct	55	86	0	0	31	2	14	12
Nov	83	79	0	0	6	4	11	16
Dec	65	84	0	0	8	4	27	12
Jan	54	72	0	0	23	9	23	18
Feb	80	87	0	0	10	3	10	10
Mar	70	72	0	0	7	7	23	21
Apr	71	72	0	0	3	10	25	17

Table A-22: Share of Real-time MCP Set by Resource (%), On-Peak, May 2003-April 2005

	Coal		Nuclear		Oil/Gas		Water	
	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005
May	43	58	0	0	42	19	15	23
Jun	52	67	0	0	24	14	24	19
Jul	44	69	0	2	44	11	11	18
Aug	39	80	0	0	52	9	9	10
Sep	41	67	0	0	41	24	17	9
Oct	23	62	0	0	66	10	11	27
Nov	57	53	0	0	36	24	6	23
Dec	55	62	0	0	31	16	15	20
Jan	21	45	0	0	54	36	25	17
Feb	40	71	0	0	46	13	14	15
Mar	50	47	0	0	30	26	20	27
Apr	53	43	0	0	16	28	31	27

Table A-23: Resources Selected in Real-time Market Schedule (%), May 2003-April 2005

	Injections		Offtakes		Fossil-Coal		Fossil-Oil/Gas		Hydroelectric		Nuclear	
	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005
May	7	3	6	10	24	14	7	7	27	31	41	55
Jun	8	5	6	9	26	15	6	7	23	26	42	57
Jul	5	4	8	9	30	16	6	7	21	26	46	56
Aug	6	5	6	10	27	18	6	6	22	23	45	58
Sep	8	8	4	4	18	18	7	7	22	23	49	47
Oct	9	8	1	5	28	23	9	7	26	23	30	43
Nov	6	10	3	5	23	21	7	7	28	24	39	43
Dec	7	8	5	6	18	18	7	7	26	22	46	52
Jan	7	7	6	8	25	23	7	7	23	21	43	49
Feb	6	6	4	8	23	22	7	7	23	22	45	50
Mar	5	5	5	7	19	22	7	7	24	23	50	50
Apr	5	8	8	4	15	18	7	7	29	31	52	40

Table A-24: Resources Selected in the Real-time Market Schedule (TWh)
May 2003-April 2005

	Injections		Offtakes		Fossil-Coal		Fossil-Oil/Gas		Hydroelectric		Nuclear		Total	
	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005
May	0.87	0.41	0.74	1.21	2.80	1.60	0.79	0.78	3.11	3.72	4.79	6.53	11.62	11.83
Jun	0.95	0.65	0.69	1.12	3.09	1.75	0.75	0.79	2.79	3.15	4.99	6.82	11.88	12.04
Jul	0.60	0.57	1.09	1.11	3.86	1.99	0.83	0.83	2.72	3.34	5.97	7.11	12.89	12.73
Aug	0.49	0.69	0.59	1.28	2.48	2.23	0.58	0.73	2.06	2.91	4.11	7.43	9.13	12.71
Sep	0.94	1.03	0.45	0.49	2.17	2.21	0.79	0.86	2.59	2.87	5.77	5.83	11.81	12.31
Oct	1.06	0.95	0.17	0.56	3.40	2.81	1.10	0.91	3.13	2.84	3.60	5.23	12.12	12.18
Nov	0.72	1.22	0.36	0.62	2.87	2.62	0.87	0.89	3.41	3.03	4.86	5.46	12.37	12.6
Dec	0.98	1.06	0.64	0.91	2.41	2.49	0.94	0.95	3.44	3.09	6.18	7.33	13.31	14.01
Jan	1.06	1.05	0.85	1.13	3.74	3.35	1.09	1.06	3.35	3.11	6.34	7.15	14.73	14.59
Feb	0.84	0.73	0.53	1	2.97	2.8	0.93	0.94	3.03	2.86	5.85	6.4	13.09	12.73
Mar	0.68	0.63	0.60	0.94	2.49	2.95	0.95	1.01	3.14	3.08	6.55	6.76	13.21	13.49
Apr	0.55	0.9	0.93	0.5	1.81	2.18	0.81	0.88	3.35	3.64	6.16	4.74	11.75	11.84

*Table A-25: Offtakes by Intertie Zone, On-peak and Off-peak (MWh), May 2003-April 2005**

		MB		MI		MN		NY		PQ	
		2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005
May	**Off-peak**	0	0	8,278	21,592	139	9,138	460,429	668,221	20,955	31,115
	On-Peak	1,045	0	33,007	73,147	2,919	30,633	205,235	363,678	4,777	14,485
Jun	**Off-peak**	3,312	0	9,710	16,175	943	794	350,691	565,888	44,240	36,048
	On-Peak	2,133	0	28,716	44,143	10,564	7,465	220,195	417,033	23,789	27,585
Jul	**Off-peak**	14,675	0	69,856	21,568	18,854	2,085	521,199	608,976	43,708	41,731
	On-Peak	31,929	0	98,096	67,785	31,828	19,549	235,600	331,014	21,673	21,238
Aug	**Off-peak**	46,801	0	7,126	14,568	13,817	1,000	353,700	692,843	18,348	34,207
	On-Peak	29,619	0	33,644	74,885	28,389	400	52,269	447,670	2,376	16,535
Sep	**Off-peak**	31,961	0	159	8.458	2,775	0	247,693	285,404	26,908	12,600
	On-Peak	24,188	0	1,072	12.051	11,683	377	86,484	162,580	13,198	4,251
Oct	**Off-peak**	40,830	0	446	5,098	139	39	58,563	284,241	13,949	4,296
	On-Peak	16,079	0	4,387	13,662	2,781	1,888	23,839	243,433	6,757	2,583
Nov	**Off-peak**	55,006	0	688	896	973	0	111,894	373,843	22,004	22,774
	On-Peak	27,790	0	1,863	3,881	19,738	0	111,769	218,142	6,860	5,139
Dec	**Off-peak**	43,116	0	2,675	4,582	2,085	1,384	347,624	545,467	30,522	35,236
	On-Peak	26,495	4,671	2,746	7,947	15,393	4,213	150,844	296,391	15,612	14,987
Jan	**Off-peak**	53,207	477	3,797	3,176	8,340	0	412,602	601,117	50,457	68,034
	On-Peak	26,656	12,459	3,463	9,746	15,797	6,782	240,286	380,532	35,896	43,472
Feb	**Off-peak**	21,875	0	555	5,550	0	1,112	313,363	515,010	54,437	52,489
	On-Peak	7,520	7,204	2,820	38,252	3,000	4,252	100,634	336,718	28,899	40,360
Mar	**Off-peak**	10,477	29	3,871	23,643	1,964	2,224	253,878	497,216	58,351	57,167
	On-Peak	110	14,453	24,471	94,864	49,892	10,703	159,004	223,155	39,482	21,314
Apr	**Off-peak**	4,094	0	10,501	7,210	5,485	0	481,821	263,123	57,719	39,138
	On-Peak	39	0	25,077	33,854	40,690	152	260,816	146,265	39,770	14,285

*MB – Manitoba, MI – Michigan, MN – Minnesota, NY – New York, PQ - Quebec

*Table A-26: Injections by Intertie Zone, On-peak and Off-peak (MWh), May 2003-April 2005**

		MB		MI		MN		NY		PQ	
		2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005
May	Off-peak	85,264	12,169	318,783	248,883	29,752	8,047	5,374	5,650	3,765	0
	On-Peak	68,058	31,634	281,276	74,405	21,817	9,401	48,009	15,338	7,012	545
Jun	Off-peak	73,990	43,718	351,737	313,700	29,390	20,193	9,045	4,634	201	96
	On-Peak	66,820	61,812	308,741	154,277	19,225	15,512	86,715	25,145	5,839	6,445
Jul	Off-peak	65,164	63,958	247,645	295,430	17,864	25,797	27,195	16,530	4,229	5,683
	On-Peak	67,930	14,288	97,847	78,344	4,592	5,895	66,803	17,577	2,016	46,895
Aug	Off-peak	43,836	73,522	226,597	352,551	13,026	27,778	1,570	25,378	6,585	6,659
	On-Peak	40,800	31,238	65,393	131,802	84	12,045	35,758	6,418	55,109	24,802
Sep	Off-peak	47,388	73,961	380,029	414,710	24,651	19,196	21,330	31,519	3,799	20,215
	On-Peak	61,925	38,403	296,925	286,465	11,843	8,256	75,660	40,357	12,615	100,997
Oct	Off-peak	65,634	78,755	294,639	361,365	26,447	23,639	119,571	4,489	18,648	46,985
	On-Peak	54,109	34,964	263,018	236,722	17,548	4,589	163,378	7,051	32,427	153,582
Nov	Off-peak	19,669	91,322	315,854	506,489	20,249	25,987	47,658	27,981	9,551	13,383
	On-Peak	200	44,627	234,892	395,993	5,547	6,954	59,115	45,368	10,725	64,044
Dec	Off-peak	47,872	71,745	371,020	495,523	23,362	7,344	67,631	11,243	13,216	9,103
	On-Peak	3,313	33,182	309,766	377,931	6,573	3,575	112,489	24,245	28,733	28,646
Jan	Off-peak	5,790	83,751	481,990	509,106	17,708	9,634	49,852	18,893	5,659	5,655
	On-Peak	7,003	23,561	363,567	319,544	6,516	6,221	102,299	37,909	17,035	40,623
Feb	Off-peak	21,933	87,214	344,345	378,735	12,848	14,189	77,751	2,087	0	899
	On-Peak	17,366	26,095	257,303	176,488	7,572	7,193	99,389	8,657	720	31,410
Mar	Off-peak	42,797	98,599	258,140	239,224	4,638	11,331	35,812	31,639	0	18,763
	On-Peak	61,078	20,321	196,008	92,301	9,928	4,290	70,978	41,377	2,561	67,449
Apr	Off-peak	26,878	93,740	303,658	327,907	0	16,867	5,581	33,919	0	24,095
	On-Peak	39,065	70,506	161,750	168,762	0	14,988	8,864	55,062	384	93,213

*MB – Manitoba, MI – Michigan, MN – Minnesota, NY – New York, PQ – Quebec

Table A-27: Net Exports (MWh), May 2003-April 2005

Year	Month	On-Peak	Off-Peak	Total
2003	May	-179,189	46,863	-132,326
	Jun	-201,943	-55,467	-257,410
	Jul	179,938	306,195	486,133
	Aug	-50,847	148,178	97,331
	Sep	-322,343	-167,701	-490,044
	Oct	-476,637	-411,012	-887,649
	Nov	-142,459	-222,416	-364,875
	Dec	-249,784	-97,079	-346,863
2004	Jan	-174,322	-32,596	-206,918
	Feb	-239,477	-66,647	-306,124
	Mar	-67,594	-12,846	-80,440
	Apr	156,329	223,503	379,832
	May	350,620	455,317	805,937
	Jun	233,035	236,564	469,599
	Jul	276,587	266,962	543,549
	Aug	333,185	256,730	589,915
	Sep	-307,258	-261,589	-568,846
	Oct	-175,342	-221,559	-396,901
	Nov	-329,824	-267,649	-597,473
	Dec	-139,370	-8,289	-147,659
2005	Jan	25,133	45,765	70,898
	Feb	176,943	91,037	267,980
	Mar	138,751	180,723	319,474
	Apr	-207,975	-187,057	-395,032

Table A-28: Measures of Difference Between 3-Hour Ahead Pre-dispatch Prices and HOEP

	3-Hour Ahead Pre-Dispatch Price Minus HOEP ($/MWh)									
	Average Difference		Maximum Difference		Minimum Difference		Standard Deviation		Average Difference as a % of the HOEP	
	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005
May	13.11	9.56	1,976.90	89.29	(150.79)	(67.17)	75.66	15.72	46.07	28.42
Jun	12.41	6.32	405.10	56.29	(103.26)	(114.16)	33.43	14.04	38.59	24.00
Jul	7.98	5.12	91.16	45.73	(38.59)	(72.63)	13.97	11.49	29.25	18.63
Aug	8.24	4.80	56.15	37.7	(53.16)	(40.78)	14.75	8.10	24.91	17.56
Sep	6.94	4.77	63.98	40.83	(282.68)	(93.73)	17.09	9.07	20.39	13.19
Oct	7.28	4.97	45.48	51.93	(249.97)	(63.19)	17.22	10.82	19.87	11.47
Nov	7.82	14.04	52.69	95.3	(53.37)	(56.18)	12.06	18.43	22.71	29.00
Dec	18.18	11.81	73.35	124.97	(49.56)	(197.68)	20.58	22.58	51.31	24.22
Jan	27.09	12.97	855.39	135.59	(77.54)	(90.28)	59.01	18.83	48.22	24.63
Feb	18.44	7.17	77.18	56.14	(33.54)	(261.55)	17.75	15.39	42.22	16.49
Mar	11.93	9.18	63.43	66.13	(93.06)	(339.68)	14.11	19.73	28.32	18.30
Apr	12.89	10.00	63.98	103.76	(199.13)	(111.67)	15.53	19.10	34.51	21.07

Table A-29: Measures of Differences Between 1-Hour Ahead Pre-dispatch Prices and HOEP

	1-Hour Ahead Pre-Dispatch Price Minus HOEP ($/MWh)									
	Average Difference		Maximum Difference		Minimum Difference		Standard Deviation		Average Difference as a % of the HOEP	
	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005
May	11.04	10.05	78.53	72.62	(128.79)	(62.19)	19.54	14.11	35.10	27.58
Jun	11.63	6.73	490.10	53.20	(225.41)	(108.31)	32.79	12.84	38.76	24.09
Jul	7.65	5.21	55.27	41.29	(38.59)	(71.62)	13.19	10.06	26.93	18.32
Aug	8.23	4.99	52.98	33.05	(47.28)	(36.79)	13.96	7.58	23.92	17.61
Sep	7.01	4.01	63.14	31.99	(287.68)	(93.98)	16.41	7.97	19.59	11.57
Oct	7.25	5.72	47.62	51.21	(223.15)	(45.55)	15.46	10.12	19.53	12.69
Nov	6.86	11.12	74.23	70.28	(56.49)	(43.59)	11.47	15.74	19.65	23.86
Dec	15.92	8.33	70.15	89.97	(83.54)	(198.31)	19.33	18.53	44.92	18.82
Jan	23.07	10.57	780.39	108.62	(99.55)	(91.66)	51.72	15.62	42.34	20.47
Feb	15.86	6.52	62.16	65.08	(38.2)	(258.61)	16.17	14.43	36.15	14.56
Mar	10.45	9.55	57.54	57.98	(92.83)	(325.26)	12.93	18.01	24.79	18.71
Apr	12.02	10.28	57.45	82.78	(191.93)	(101.66)	14.74	16.79	31.29	21.15

Table A-30: Measures of Difference between Pre-dispatch Prices and Peak Hourly MCP

	1-Hour Ahead Pre-dispatch Price Minus Peak Hourly MCP			
	Average Difference ($/MWh)		Average Difference as % of Peak Hourly MCP	
	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005
May	0.81	1.69	16.8	10.7
Jun	0.73	0.39	21.0	8.0
Jul	3.15	(0.03)	14.9	4.7
Aug	2.87	0.91	12.2	5.4
Sep	0.78	(0.19)	7.1	2.8
Oct	0.58	1.45	6.8	4.6
Nov	1.65	2.66	8.4	9.1
Dec	7.15	(0.35)	24.2	5.5
Jan	8.19	1.98	19.4	7.3
Feb	6.53	(0.83)	18.3	5.6
Mar	2.47	(1.36)	9.7	5.7
Apr	2.20	0.83	15.3	7.2

Table A-31: Average Monthly HOEP Compared to Average Monthly Peak Hourly MCP

	HOEP		Peak Hourly MCP		Peak minus HOEP	
	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005
May	43.17	48.06	53.41	56.47	10.25	8.41
Jun	41.64	46.69	52.54	53.15	10.91	6.46
Jul	40.08	45.58	44.52	50.83	4.44	5.25
Aug	46.85	43.51	52.22	47.59	5.37	4.08
Sep	48.56	49.57	54.81	53.76	6.26	4.19
Oct	57.09	49.11	63.77	53.47	6.68	4.36
Nov	40.45	52.28	45.70	60.74	5.25	8.47
Dec	44.42	50.83	53.16	59.47	8.74	8.64
Jan	66.22	57.9	81.29	66.5	15.08	8.6
Feb	52.74	49.58	62.12	56.95	9.37	7.36
Mar	48.90	59.87	56.89	70.76	7.99	10.89
Apr	45.92	61.93	55.72	71.38	9.80	9.45

*Table A-32: Frequency Distribution of Difference Between 1-Hour Pre-dispatch and HOEP, May 2003-April 2005**

	1-Hour Ahead Pre-Dispatch Price Minus HOEP (% of time within range)															
	Greater than -$50.01		-$50 to-$20.01		-$20.00 to -$10.01		-$10.00 to -$0.01		$0.00 to $9.99		$10.00 to $19.99		$20.00 to $49.99		Greater than $50.00	
	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005
May	0.67	0.27	1.08	**2.02**	2.29	1.75	8.36	11.29	50.27	40.32	9.30	24.60	26.28	18.68	1.75	1.08
Jun	**0.84**	0.70	**3.63**	0.97	2.51	2.92	13.11	16.02	45.05	45.54	8.51	22.28	21.90	11.28	4.46	0.28
Jul	0.00	0.13	0.81	1.48	0.54	2.15	**14.80**	**20.43**	**58.68**	48.79	6.86	19.49	18.17	7.53	0.13	0.00
Aug	0.00	0.00	0.95	0.40	1.52	2.02	14.02	14.54	55.68	62.05	7.58	16.69	20.08	4.31	0.19	0.00
Sep	0.14	0.28	1.11	0.14	2.50	1.39	14.72	18.89	50.69	**63.89**	15.42	12.50	15.14	2.92	0.28	0.00
Oct	0.54	0.00	0.81	0.40	1.88	2.02	14.13	19.95	52.22	53.10	14.27	15.23	16.15	9.16	0.00	0.13
Nov	0.14	0.00	0.70	1.67	1.67	3.47	10.57	12.22	57.58	37.64	16.55	19.72	12.52	**23.06**	0.28	2.22
Dec	0.13	**0.81**	1.21	1.88	1.48	1.75	6.45	15.07	43.28	45.09	11.96	17.90	29.30	15.34	6.18	2.15
Jan	0.40	0.27	2.02	1.08	**3.36**	1.61	10.77	13.98	30.96	41.26	11.57	20.97	29.21	18.82	**11.71**	2.02
Feb	0.00	0.15	0.72	1.19	1.58	1.79	5.32	11.90	38.22	53.72	18.10	21.58	**33.48**	9.38	2.59	0.30
Mar	0.13	0.40	1.34	1.35	1.88	2.02	9.95	10.50	42.07	41.32	23.79	**25.84**	20.43	18.17	0.40	0.40
Apr	0.28	0.28	0.42	2.08	1.53	**3.61**	7.92	14.17	37.50	34.86	**29.03**	20.83	22.64	21.39	0.69	**2.78**

*Bolded values show highest percentage within price range.

Table A-33: Difference Between 1-Hour Pre-dispatch and HOEP within Defined Ranges

	Hourly Difference - % of Time within Range 1-Hour Ahead Pre-Dispatch Price Minus HOEP					
	Greater than $0		Equal to $0		Less than $0	
	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005
May	87.60	84.14	0.00	0.54	12.40	15.32
Jun	79.78	78.97	0.14	0.42	20.08	20.61
Jul	83.58	75.40	0.27	0.40	16.15	24.19
Aug	83.33	81.83	0.19	1.21	16.48	16.96
Sep	80.97	79.17	0.56	0.14	18.47	20.69
Oct	82.50	77.63	0.13	0.00	17.36	22.37
Nov	86.93	82.64	0.00	0	13.07	17.36
Dec	90.73	80.35	0.00	0.13	9.27	19.52
Jan	83.31	82.8	0.13	0.27	16.55	16.94
Feb	92.39	84.97	0.00	0	7.61	15.03
Mar	86.56	85.73	0.13	0	13.31	14.27
Apr	89.86	79.86	0.00	0	10.14	20.14

Table A-34: Difference Between One Hour Pre-dispatch and Peak Hourly MCP within Defined Ranges

	Hourly Difference - % of Time within Range 1-Hour Ahead Pre-Dispatch Price Minus Peak Hourly MCP					
	Greater than $0		Equal to $0		Less than $0	
	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005
May	65.90	59.68	2.83	4.57	31.27	35.75
Jun	57.04	59.89	2.65	1.39	40.31	38.72
Jul	61.78	52.69	2.83	3.36	35.40	43.95
Aug	63.64	58.41	2.46	2.96	33.90	38.63
Sep	56.39	56.67	4.17	1.94	39.44	41.39
Oct	55.05	56.6	4.58	2.83	40.38	40.57
Nov	65.09	60.42	2.92	1.94	31.99	37.64
Dec	71.10	59.35	2.02	1.35	26.88	39.30
Jan	60.97	59.01	3.63	4.57	35.40	36.42
Feb	70.26	63.39	2.30	3.42	27.44	33.18
Mar	68.15	58.82	2.82	3.63	29.03	37.55
Apr	71.67	58.61	1.11	2.50	27.22	38.89

Table A-35: Percentage Intervals with Operating Reserve Reductions (Market Schedule), May 2003-April 2005*

	No Reductions		>1 MW and <200 MW		>200 MW and <400 MW		>400 MW and <800 MW		>800 MW	
	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005
May	96.98	94.02	0.43	3.14	1.78	1.87	0.80	0.96	0.02	0.01
Jun	96.82	97.28	0.15	1.05	1.45	1.19	1.35	0.47	0.23	0.00
Jul	98.53	98.41	0.15	0.73	0.65	0.53	0.56	0.32	0.11	0.01
Aug	96.54	99.12	0.19	0.38	2.73	0.40	0.47	0.10	0.07	0.00
Sep	99.61	99.20	0.05	0.34	0.19	0.03	0.14	0.43	0.02	0.00
Oct	97.77	99.63	0.77	0.15	0.96	0.10	0.30	0.12	0.19	0.00
Nov	99.53	98.80	0.29	0.41	0.19	0.64	0.00	0.16	0.00	0.00
Dec	98.51	99.45	0.25	0.18	0.82	0.37	0.43	0.00	0.00	0.00
Jan	96.55	97.16	0.75	0.82	1.85	1.21	0.65	0.63	0.20	0.19
Feb	98.67	99.63	0.59	0.04	0.56	0.25	0.18	0.09	0.00	0.00
Mar	96.66	99.37	1.22	0.19	1.89	0.25	0.22	0.19	0.00	0.00
Apr	97.52	96.11	0.84	1.06	1.34	1.71	0.07	0.88	0.22	0.23
AVG	97.91	98.42	0.66	0.45	1.11	0.65	0.26	0.23	0.07	0.07

*In previous reports, the Market Assessment Unit utilized a static OR requirement (=1,580 MW). Since then, the MAU has refined its capability to calculate and now utilizes the approximate OR requirement for each hour.

Table A-36: Demand Forecast Error

	Mean absolute forecast difference: pre-dispatch minus average demand in the hour (MW)				Mean absolute forecast difference: pre-dispatch minus peak demand in the hour (MW)				Mean absolute forecast difference: pre-dispatch minus average demand divided by the average demand (%)				Mean absolute forecast difference: pre-dispatch minus peak demand divided by the peak demand (%)			
	3-hour ahead		1-hour ahead		3-hour ahead		1-hour ahead		3-hour ahead		1-hour ahead		3-hour ahead		1-hour ahead	
	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005
May	356	356	345	322	203	233	179	192	2.41	2.38	2.33	2.14	1.33	1.52	1.17	1.23
Jun	386	373	360	341	250	284	208	233	2.45	2.30	2.28	2.11	1.55	1.70	1.29	1.40
Jul	479	433	417	384	336	322	259	261	2.87	2.61	2.51	2.31	1.94	1.89	1.50	1.53
Aug	451	403	403	359	327	297	261	238	2.70	2.44	2.42	2.17	1.87	1.73	1.50	1.39
Sep	375	368	354	342	244	247	203	201	2.38	2.30	2.25	2.12	1.51	1.47	1.25	1.20
Oct	370	314	358	300	226	200	196	169	2.40	2.04	2.31	1.94	1.42	1.26	1.23	1.06
Nov	408	390	383	364	241	225	207	185	2.49	2.35	2.33	2.18	1.44	1.33	1.23	1.09
Dec	478	441	441	392	282	289	229	238	2.82	2.42	2.57	2.15	1.65	1.57	1.32	1.29
Jan	484	409	466	369	297	255	253	201	2.82	2.17	2.72	1.94	1.55	1.33	1.31	1.04
Feb	441	357	408	320	254	225	208	174	2.43	1.97	2.24	1.76	1.37	1.22	1.12	0.94
Mar	434	314	404	292	271	203	226	159	2.57	1.80	2.38	1.67	1.57	1.14	1.30	0.89
Apr	399	314	376	289	259	210	222	164	2.57	2.04	2.40	1.88	1.62	1.32	1.38	1.03

Table A-37: Percentage of Time that Mean Forecast Error (Forecast to Hourly Peak) within Defined MW Ranges (%)

	>500 MW		200 to 500 MW		100 to 200 MW		0 to 100 MW		0 to -100 MW		-100 to -200 MW		-200 to -500 MW		<-500 MW		>0 MW		< 0 MW	
	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005
May	3	3	28	21	17	16	22	17	14	15	10	12	6	14	0	1	71	57	29	43
Jun	6	6	23	20	13	14	17	14	16	14	11	11	13	18	1	3	58	53	42	47
Jul	10	9	25	21	12	12	13	14	11	12	13	10	16	18	1	4	59	56	41	44
Aug	10	7	23	21	12	13	15	17	11	13	9	10	16	16	4	4	60	57	40	43
Sep	5	4	22	19	16	11	17	19	16	18	9	10	13	16	1	3	60	53	40	47
Oct	3	1	28	17	15	18	18	20	14	18	10	11	10	13	1	1	64	56	36	44
Nov	5	3	28	24	17	16	16	21	13	16	10	9	10	11	1	0	66	64	34	36
Dec	8	7	28	23	17	14	15	15	14	12	8	10	9	15	1	4	68	59	32	41
Jan	8	5	33	24	15	15	13	18	10	15	9	11	11	10	1	1	70	63	30	37
Feb	5	2	35	17	19	18	17	19	12	16	7	13	5	13	1	1	76	57	24	43
Mar	6	2	33	20	16	15	16	21	11	20	8	11	9	10	2	0	71	58	29	42
Apr	7	2	30	18	17	13	15	23	14	17	8	14	9	12	1	1	68	57	32	43

Table A-38: Discrepancy between Self-Scheduled Generators' Offered and Delivered Quantities

	Total MW Pre-Dispatch		Maximum Difference (MW)		Minimum Difference (MW)		Average Difference (MW)		Fail Rate (Difference/MW Pre-dispatch) (%)	
	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005
May	778,341	712,553	290.51	145.81	(69.88)	(118.30)	62.34	(5.70)	6.26	(0.42)
Jun	886,176	754,026	668.18	283.55	(243.79)	(91.13)	93.82	10.00	8.65	0.82
Jul	1,249,147	842,044	509.86	582.64	(146.78)	(282.74)	94.12	51.68	5.68	4.32
Aug	703,045	737,531	364.83	227.87	(193.14)	(53.35)	86.83	33.11	6.92	3.61
Sep	764,657	719,483	543.98	308.92	(111.61)	(103.57)	37.07	42.28	3.80	4.54
Oct	821,786	770,163	154.27	276.43	(94.26)	(97.43)	(0.42)	24.44	0.07	2.50
Nov	964,681	784,062	277.22	228.63	(139.22)	(149.38)	(5.73)	4.47	(0.68)	0.72
Dec	863,853	809,100	404.54	222.98	(140.32)	(119.34)	(0.74)	13.98	0.11	1.66
Jan	1,080,865	839,424	1,317.40	204.68	(834.48)	(117.83)	17.39	22.50	1.11	2.17
Feb	834,172	766,811	643.54	224.36	(249.99)	(167.67)	(3.99)	14.44	(0.92)	1.40
Mar	1,174,221	822,583	724.42	176.58	(130.98)	(118.60)	11.08	8.98	0.55	0.99
Apr	760,221	710,274	262.47	148.37	(112.58)	(190.30)	(11.35)	(23.37)	(1.00)	(2.64)

*Self-scheduled generators also include those dispatchable units temporarily classified as self-scheduling during testing phases following an outage for major maintenance.

Table A-39: Incidents and Average Magnitude of Failed Imports into Ontario

	Number of Incidents		Maximum Hourly Failure (MW)		Average Hourly Failure (MW)		Failure Rate (%)	
	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005
May	239	141	654	388	63.4	59.3	1.7	2.0
Jun	151	292	687	864	105.3	109.8	1.6	4.7
Jul	111	289	891	545	110.4	108.3	2.0	5.2
Aug	87	341	389	667	90.1	85.1	1.6	4.0
Sep	167	270	525	509	97.4	76.8	1.7	2.5
Oct	279	311	792	482	133.1	123	3.4	3.9
Nov	154	347	682	1,134	107	130	2.2	3.6
Dec	183	270	861	1,074	124	116	2.3	2.9
Jan	262	298	1,233	896	139	138	3.3	3.8
Feb	142	219	654	817	102	136	1.7	3.9
Mar	140	334	700	503	96	116	1.9	5.8
Apr	104	317	463	735	85	117	1.6	4.0

Table A-40: Incidents and Average Magnitude of Failed Imports into Ontario, On-Peak

	Number of Incidents		Maximum Hourly Failure (MW)		Average Hourly Failure (MW)		Failure Rate (%)	
	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005
Nov	67	135	682	1134	113	131	2.39	3.08
Dec	75	122	861	925	113	113	1.80	2.87
Jan	133	130	1233	655	172	145	4.42	4.21
Feb	56	89	654	817	113	115	1.63	3.93
Mar	65	153	511	503	81	111	1.52	6.98
Apr	42	159	450	735	78	123	1.54	4.63

Table A-41: Incidents and Average Magnitude of Failed Imports into Ontario, Off-Peak

	Number of Incidents		Maximum Hourly Failure (MW)		Average Hourly Failure (MW)		Failure Rate (%)	
	2003/2004	**2004/2005**	**2003/2004**	**2004/2005**	**2003/2004**	**2004/2005**	**2003/2004**	**2004/2005**
Nov	87	212	440	582	102	129	2.1	3.94
Dec	108	148	655	1072	131	118	2.64	2.85
Jan	129	168	542	896	105	133	2.37	3.45
Feb	86	130	367	499	95	150	1.76	3.88
Mar	75	181	700	456	109	120	2.34	5.17
Apr	62	158	463	669	89	112	1.62	3.44

Table A-42: Incidents and Average Magnitude of Failed Exports from Ontario

	Number of Incidents		Maximum Hourly Failure (MW)		Average Hourly Failure (MW)		Failure Rate (%)	
	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005	2003 / 2004	2004 / 2005
May	427	437	1,020	958	214.9	183.4	11.1	6.2
Jun	386	471	1,107	1,104	337.3	203.3	15.9	7.9
Jul	464	467	1,300	950	343.5	189.7	12.8	7.4
Aug	306	454	1,036	1,052	322.5	229.3	14.4	7.5
Sep	291	264	977	900	236.5	197.0	13.4	16.0
Oct	148	388	815	964	171.7	231.6	13.2	14
Nov	255	353	737	975	163	227	10.4	11.4
Dec	265	396	903	950	196	257	7.5	10
Jan	281	393	1,214	1,160	170	229	5.4	7.4
Feb	236	419	740	830	155	254	6.4	9.7
Mar	280	458	675	765	138	201	6.0	8.9
Apr	299	319	977	913	190	194	5.8	10.9

Table A-43: Incidents and Average Magnitude of Failed Exports from Ontario, On-Peak

	Number of Incidents		Maximum Hourly Failure (MW)		Average Hourly Failure (MW)		Failure Rate (%)	
	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005
Nov	91	151	737	975	167	246	8.32	14.04
Dec	107	179	903	896	215	271	9.81	12.94
Jan	95	161	1214	1160	184	252	4.95	8.23
Feb	66	206	400	755	102	237	4.51	10.36
Mar	127	188	675	765	134	207	5.86	9.69
Apr	152	142	800	650	200	193	7.64	12.28

Table A-44: Incidents and Average Magnitude of Failed Exports from Ontario, Off-Peak

	Number of Incidents		Maximum Hourly Failure (MW)		Average Hourly Failure (MW)		Failure Rate (%)	
	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005
Nov	164	202	657	877	161	213	12.15	9.76
Dec	158	217	660	950	184	245	6.38	8.28
Jan	186	232	576	941	164	214	5.25	6.86
Feb	170	213	740	830	175	271	7.05	9.13
Mar	153	270	615	650	141	196	6.17	8.37
Apr	147	177	977	913	179	195	4.50	10.04

Table A-45: Shares by Fuel Type of Total Operating Reserve Requirements, Off-Peak Periods, November-April

	Dispatchable Load (% of Total Requirement)		Hydroelectric (% of Total Requirement)		CAOR (% of Total Requirement)		Fossil (% of Total Requirement)		Import (% of Total Requirement)		Total (Average Hourly Value MW)	
	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005
Nov	11.2	23.7	64.3	68.5	0.1	0.1	10.8	7.5	13.6	0.3	1,533	1,538
Dec	12.0	20.9	65.5	73.5	0.1	0.0	7.9	4.4	14.4	1.1	1,455	1,479
Jan	12.4	25.1	81.4	69.7	0.2	0.0	5.3	4.9	0.8	0.3	1,423	1,414
Feb	12.1	26.6	82.3	68.5	0.0	0.0	5.6	4.8	0.0	0.0	1,448	1,418
Mar	13.0	27.1	81.2	66.3	0.1	0.1	5.6	5.8	0.1	0.7	1,560	1,416
Apr	14.0	28.87	70.9	59.51	0.2	0.41	14.4	10.36	0.5	0.57	1,413	1,407

Table A-46: Shares by Fuel Type of Total Operating Reserve Requirements, On-Peak Periods, November-April

	Dispatchable Load (% of Total Requirement)		Hydroelectric (% of Total Requirement)		CAOR (% of Total Requirement)		Fossil (% of Total Requirement)		Import (% of Total Requirement)		Total (Average Hourly Value MW)	
	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005	2003/2004	2004/2005
Nov	8.2	20.5	51.0	70.7	1.0	0.8	22.7	6.4	17.0	1.5	1,636	1,520
Dec	9.7	20.7	57.8	73.7	1.0	0.4	16.2	3.9	15.3	1.3	1,536	1,431
Jan	9.8	22.5	73.2	70.5	0.8	0.9	12.1	5.0	2.8	1.1	1,444	1,399
Feb	10.4	23.6	80.1	70.2	0.1	0.5	8.2	5.3	1.3	0.3	1,409	1,412
Mar	10.1	22.9	73.2	72.5	0.6	0.4	15.4	3.9	0.5	0.2	1,582	1,412
Apr	11.8	24.15	53.2	53.49	2.0	3.27	32.3	18.23	0.7	0.80	1,407	1,398

Table A-47: Day Ahead Forecast Error (as of Hour 18)

Year	Month	Average Forecast Error (MW)	Average Absolute Error (% of Peak Demand)	No. of Hours with Forecast Error ≥ 3%	Percentage of Hours with Absolute Error ≥ 3%
2002	May	35	1.84%	138	19%
	Jun	386	3.68%	325	47%
	Jul	502	3.75%	337	47%
	Aug	67	2.78%	285	38%
	Sep	76	2.80%	248	34%
	Oct	-47	1.46%	83	11%
	Nov	101	1.70%	121	17%
	Dec	159	2.49%	235	32%
2003	Jan	39	1.86%	160	22%
	Feb	169	1.78%	111	17%
	Mar	102	1.67%	88	12%
	Apr	45	2.14%	195	27%
	May	160	1.75%	137	18%
	Jun	140	2.10%	155	22%
	Jul	278	2.93%	304	41%
	Aug	211	3.40%	222	42%
	Sep	192	2.52%	220	31%
	Oct	96	1.61%	108	15%
	Nov	160	2.09%	183	25%
	Dec	224	2.27%	207	28%
2004	Jan	158	2.33%	215	29%
	Feb	337	2.16%	176	25%
	Mar	148	2.27%	220	30%
	Apr	166	2.36%	223	31%
	May	123	2.21%	208	28%
	Jun	0	2.35%	221	31%
	Jul	328	3.35%	345	46%
	Aug	223	2.74%	288	39%
	Sep	89	2.27%	212	29%
	Oct	85	1.74%	125	17%
	Nov	184	1.88%	144	20%
	Dec	146	2.40%	213	29%
2005	Jan	213	2.04%	170	23%
	Feb	188	1.69%	118	18%
	Mar	45	1.83%	139	19%
	Apr	81	2.08%	185	26%

Table A-48: Average One Hour Ahead Forecast Error

Year	Month	Peak Forecast Error (MW)	Average Absolute Error (% of Peak Demand)	No. of Hours with Forecast Error ≥ 2%	Percentage of Hours with Absolute Error ≥ 2%
2002	May	66	1.43%	193	26%
	Jun	189	1.87%	269	37%
	Jul	237	1.99%	310	42%
	Aug	97	1.47%	191	26%
	Sep	118	1.50%	207	29%
	Oct	82	1.09%	108	15%
	Nov	111	1.14%	109	15%
	Dec	128	1.38%	170	23%
2003	Jan	116	1.11%	102	14%
	Feb	78	1.09%	101	15%
	Mar	62	1.15%	118	16%
	Apr	65	1.26%	145	20%
	May	103	1.14%	133	18%
	Jun	68	1.28%	152	21%
	Jul	102	1.47%	192	26%
	Aug	74	1.49%	142	27%
	Sep	68	1.21%	141	20%
	Oct	78	1.20%	130	17%
	Nov	93	1.20%	127	18%
	Dec	118	1.28%	159	21%
2004	Jan	132	1.24%	132	18%
	Feb	145	1.10%	106	15%
	Mar	118	1.27%	145	19%
	Apr	124	1.36%	165	23%
	May	37	1.20%	128	17%
	Jun	29	1.37%	170	24%
	Jul	53	1.49%	203	27%
	Aug	48	1.36%	179	24%
	Sep	22	1.18%	124	17%
	Oct	21	1.04%	107	14%
	Nov	83	1.05%	102	14%
	Dec	60	1.25%	146	20%
2005	Jan	85	1.01%	86	12%
	Feb	36	0.91%	58	9%
	Mar	48	0.86%	53	7%
	Apr	30	0.98%	83	12%